HP Version Control Repository Manager

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1 Product overview

The *HP Version Control Repository Manager* (VCRM) is a repository that stores the software and firmware components used to support ProLiant servers on Windows and Linux platforms. By default, the VCRM is installed on the *HP Systems Insight Manager* (HP SIM) central management server; however, you can specify a custom directory or a server location.

You can use the VCRM as a central point to define software baselines and to automate the installation and change management of HP software and firmware updates to production systems.

The VCRM catalogs system software and firmware that is stored where the VCRM is installed. The software and firmware can be manually downloaded from **http://www.hp.com/servers/swdrivers** directly to the file system, or you can use the VCRM to automatically download software or manually upload software from any web client. Software is organized into groups by function and operating system. You can view detailed information about each piece of software by clicking the software component name. The VCRM also enables you to create customized groupings of software, which can then serve as a system software baseline for the entire managed environment or a subset of your environment.

> **NOTE:** Although it is possible to install an *HP ProLiant and Integrity Support Pack* or *component* to the local machine using the VCRM, must use the HP Remote Deployment Utility to install the software on remote servers unless the VCA has been installed on the remote server and the install is initiated using the VCA.

> **NOTE:** HP Version Control Repository Manager is supported on virtual machines.

The VCRM permits:

- "Viewing a custom software baseline" - Viewing the contents in the repository, such as ProLiant and Integrity Support Packs, Custom Software Baselines, and components.
- "Configuring Auto Update" - Configuring Automatic Update to proactively deliver new ProLiant software from HP as it is made available.
- "Uploading support packs" - Uploading a support pack to the repository from a CD or other accessible media using the **Upload a Support Pack** feature.
- "Creating a custom software baseline" - Creating HP ProLiant and HP Integrity Support Packs.
- "Deleting Items from the repository" - Deleting HP ProLiant and HP Integrity Support Packs and components.
- "Copying items to another repository" - Copying HP ProLiant and HP Integrity Support Packs and components to another repository.
- "Configuring a component" - Configuring components in the repository that are flagged as requiring configuration.
- "Updating the repository immediately" - Update from HP.com now.
- "Rescanning the repository" - Rescanning the repository and rebuilding the catalog.
- "Viewing the log" - Viewing the log.
- "Clearing the log" - Clearing the log.
- "Changing log settings" - Configuring the log to automatically delete older entries, reducing maintenance activity for administrators.
- Installing selected components at the local (browser client) system.
- "Configuring the repository using VCRM CLI" - Configuring the repository settings and initiating the autodownload of ProLiant Support Packs using the VCRM Command Line Interface.
    - "Displaying the current VCRM settings" - Displaying the current VCRM repository settings.
    - "Selecting the operating systems to download ProLiant Support Packs" - Selecting the operating systems to download ProLiant Support Packs and Integrity Support Packs.
    - "Changing the repository folder" - Changing the repository folder.

- "Initializing the update from the web" - Initializing the autoupdate from the web.
- "Configuring automatic update for VCRM directory" - Configuring automatic update for VCRM repository directory.

Additional resources

For additional resources, go to **http://www.hp.com/servers/manage**.

Related topics

▲ Navigating the software

2 Getting started

To start using the *HP Version Control Repository Manager* (VCRM), use the following steps as a guideline for installing and configuring your machines properly:

The recommended installation for the VCRM is on a single system that has a reliable, high-performance network connection between it and all managed systems that have the HP Version Control Agents installed. If the Auto Update feature is being used, that system must have Internet access.

1. Verify that your system meets minimum requirements.
2. Install and configure the SMH. For more information regarding the *System Management Homepage* (SMH), refer to the System Management Homepage Installation Guide at **http://h18013.www1.hp.com/ products/servers/management/agents/documentation.html**.
3. Install and configure the VCRM on your selected system.
4. Install and configure the VCA on the target systems. Installing the VCRM before installing the VCA enables you to configure the VCA to use data in the repository specified by way of the **Change the Agent Settings** link in the VCA, a Replicate Agent Settings task in *HP Systems Insight Manager* (HP SIM), or preconfiguring the VCA component and installing the component with the preconfigured settings. For more information regarding installing the VCRM, refer to the HP Version Control Installation Guide at **http://h18013.www1.hp.com/products/servers/management/agents/documentation.html**.
5. Browse to the SMH located at `https://hostname:2381` to log in.

Improvements in HP Version Control Repository Manager

Below are the improvements in the HP Version Control Repository Manager

- Multithreaded file download functionality

  VCRM enables handling the client download requests using multiple threads. The default thread count is 5. Four threads handle four download requests, and one thread responds busy status to other download requests.

- VCRM Command Line Interface

  The VCRM CLI provides a Command Line Interface to interact with the installed VCRM for configuring the repository folder and initiating the auto download of ProLiant Support Packs and Integrity Support Packs.

- GUI-based screen page for downloading Integrity Support Packs and ProLiant Support Packs

  VCRM provides a new GUI-based screen page for downloading Integrity Support Packs and ProLiant Support Packs for different Windows and Linux operating systems.

Procedures

- Logging in
- Logging out

Related topics

- Home
- Log
- Catalog

Logging in

Access the *HP Version Control Repository Manager* (VCRM) *graphical user interface* (GUI) from any network client using a web browser. For information about which browsers are supported, refer to the HP Version Control Installation Guide at **http://h18013.www1.hp.com/products/servers/management/agents/ documentation.html**.

To log in:

1. To access the VCRM with access to all available features, you must log in to the *System Management Homepage* (SMH) with **administrator** or **operator** level access.
2. To log in to the SMH:
   a. From the system where the VCRM is installed, navigate to `https://VCRMSystem:2381`. If the SMH is configured to allow anonymous access, click the **Login** link on the upper right corner of the page, otherwise you are immediately directed to the login page.
   b. Enter an account name and password that have the appropriate **operator** or **administrator** access level.
3. After you have logged in, you can browse directly to the VCRM by entering `https://VCRMSystem:2381/vcrepository` in the browser address field, or you can open it in a new browser window by clicking the VCRM link from the SMH under **Integrated Agents**, or in the **Version Control** status box on the **Home** tab. The **VCRM Home** page appears.

NOTE: In SMH 3.x, the Version Control (VCA and VCRM) agents links are available only under the **Version Control** status box on the **Home** tab and it opens in the same window. The Integrated Agents will be available in **Webapps** tab, but there is no link available for any agent.

Related topics

- Getting started
- Logging out

Logging out

Log out of the *HP Version Control Repository Manager* (VCRM) to prevent someone from accessing your active session if you walk away.

To log out of the *GUI*:

1. Click the *VCRMSystem* Home page link in the VCRM banner.
2. Click **Logout** in the HP Version Control Repository Manager banner.
3. Close the Web browser.

Related topics

▲ Logging in

About software repositories

The practice of updating *HP ProLiant and Integrity Support Packs* and *Components* from a single or multiple repositories saves time and is key to standardizing software maintenance and update procedures on distributed systems.

NOTE: Default installation of an *HP Version Control Repository Manager* (VCRM) can manage only the repository that is located on the server on which VCRM is installed.

For maximum manageability and flexibility across operating system platforms, each repository that is created should be:

- Located on a local drive with write access
- Updated automatically by the VCRM
- Managed by VCRM

Related procedures

- Configuring Auto Update
- Creating a custom software baseline

Related topics

- Home
- Catalog
- Log

Updating the repository

Configuring the repository using VCRM CLI

This section describes procedures that you can use to configure the repository using the VCRM CLI. The topics discussed in this section are:

- Displaying the current VCRM settings
- Selecting the operating systems to download ProLiant Support Packs
- Changing the repository folder
- Initializing the update from the web
- Configuring automatic update for VCRM

Displaying the current VCRM settings

From the command prompt, enter the following command:

```
vcrmcli.exe /show
```

The command displays the current settings of the HP Version Control Repository Manager in XML format.

NOTE: VCRM is restarted while executing `vcrmcli.exe` file.

NOTE: The displayed XML output may contain Proxy server password.

Selecting the operating systems to download ProLiant Support Packs

From the command prompt, enter the following command:

```
vcrmcli.exe /os "OS version"
```

The command configures the operating systems listed to download ProLiant Support Packs.

Example:

```
vcrmcli.exe /os "win2003x64, win2003x86, win2008x64, win2008x86, win2k8 R2,
Rhel5, Rhel5x64, Rhel4, Rhel4x64"
```

NOTE: VCRM is restarted while executing `vcrmcli.exe` file.

NOTE: Specify the values for the parameters in double quotation marks ("").

The command configures the operating systems list to download ProLiant Support Packs as shown:

- win2003x64 downloads ProLiant Support Packs on Windows Server 2003 x64 platform.
- win2003x86 downloads ProLiant Support Packs on Windows Server 2003 x86 platform.
- win2008x64 downloads ProLiant Support Packs on Windows Server 2008 x64 platform.
- win2008x86 downloads ProLiant Support Packs on Windows Server 2008 x86 platform.
- win2k8 R2 downloads ProLiant Support Packs on Windows Server 2008 x64 platform.
- Rhel5 downloads ProLiant Support Packs on Red Hat Enterprise Linux 5 server x86 platform.
- Rhel5x64 downloads ProLiant Support Packs on Red Hat Enterprise Linux 5 server AMD64/EM64T platforms.

- Rhel4 downloads ProLiant Support Packs on Red Hat Enterprise Linux 4 server x86 platform.
- Rhel4x64 downloads ProLiant Support Packs on Red Hat Enterprise Linux 4 server AMD64/EM64T platforms.

NOTE: Executing the command `vcrmcli.exe /os` without any value displays all the supported operating system attributes.

NOTE: VCRM downloads ProLiant Support Packs for HP Version Control Agent's operating systems.

Changing the repository folder

From the command prompt, enter the following command:

`vcrmcli.exe /repository "location"`

The command configures the VCRM repository directory to the new location while retaining all of the other settings.

Example:

`vcrmcli.exe /repository "c:\new repository"`

The command configures the VCRM repository directory to "c:\new repository" directory.

NOTE: VCRM is restarted while executing `vcrmcli.exe` file.

NOTE: Specify the values for the parameters in double quotation marks ("").

Initializing the update from the web

From the command prompt, enter the following command:

`vcrmcli.exe /updatenow`

NOTE: VCRM is restarted while executing `vcrmcli.exe` file.

The command starts automatically updating the current VCRM repository directory from the web based on the current settings while retaining all of the other settings including the VCRM autoupdate schedule settings.

NOTE: If `/updatenow` command is entered with other options like `/repository`, `/autoupdate`, etc, VCRM CLI applies all the new settings and then start the update once.

Configuring automatic update for VCRM directory

From the command prompt, enter the following command:

```
vcrmcli.exe /autoupdate
/interval "Interval"
/dayofweek "Day of the week"
/time "Update Start time"
/proxyname "Proxy server name or IP address"
/proxyport "Port number"
/proxyuser "User Name"
/proxypwd "Password"
```

NOTE: VCRM is restarted while executing `vcrmcli.exe` file.

The command configures the VCRM autoupdate schedule settings.

Example:

```
vcrmcli.exe /autoupdate /interval "7" /dayofweek "0" /time "22" /proxyname
"proxy.domain.com" /proxyport "1234" /proxyuser "" /proxypwd ""
```

NOTE: Specify the values for each of the parameters in double quotation marks ("").

where,

`/interval "7"` corresponds to one week (7 days, valid values: 1, 2, 7, 14, 28)

`/dayofweek "0"` corresponds to Sunday (0 is default, and is not used if the interval is less than 7. Valid values: 0, 1, 2, 3, 4, 5, 6)

`/time "22"` corresponds to 10 PM (24-hour time format, valid values: 0 to 23)

`/proxyname "proxy.domain.com"` "proxy.domain.com" specifies the name or IPv4 of the proxy server to use for autodownload

`/proxyport "1234"` "1234" specifies the port number for the given proxy name

`/proxyuser ""` specifies the user name for authenticating the proxy server

`/proxypwd ""` specifies the password for the given proxy user name

NOTE: If `/proxyuser` argument has a valid user name and `/proxypwd` is not used as argument, `vcrmcli.exe` prompts the user for a password during execution.

The command configures the autoupdate schedule settings to update the repository on Sunday 10 PM.

Populating a repository

This section describes procedures that you can use to populate the repository after you install VCRM. The topics discussed in this section are:

- Setting up the Repository Directory
- Initial Repository Population
- Configuring Automatic Update

VCRM Setup - Repository Directory

The **VCRM Setup - Repository Directory** dialog box enables you to specify the directory where HP software is located so the VCRM can monitor it. The default repository directory path is `%SystemDrive%\repository`. Also, if you are installing VCRM for the first time, you can choose to have the repository populated initially.

Note: If you are upgrading or reinstalling the VCRM, the **Perform an initial repository population** option is unavailable.

To change the repository directory:

1. Click **Browse**.
2. Select the directory where the HP software is to be stored. The path to the directory appears in the **Repository Directory** field.
3. Select **Perform an initial repository population** if you want to have the repository updated with ProLiant and Integrity Support Packs. (If **Perform an initial repository population** is deselected, or the option is not displayed, the **Automatic Update** wizard page appears next.
4. Click **Next** to accept the selected directory. If you selected **Perform an initial repository population** on the previous dialog box, the **VCRM Setup - Initial Repository Configuration** dialog box appears.

   The **Automatic Update** dialog box enables you to schedule automatic updates for your repository from the HP website.

   Note: If you do not want to use the automatic update feature, see the Updating the repository manually from the HP SmartStart CD section to update the repository manually.

Repository Population - Initial Installation

1. Click **Add** to select a directory that contains a ProLiant and Integrity Support Pack. The **Browse for Folder** dialog box appears.
2. Navigate to the directory that contains a ProLiant and Integrity Support Pack, and click **OK** or **Cancel** to abort the selection.

   All Support Packs found in the selected directory are added to the list shown in the **Initial Repository Configuration** dialog box. You can choose as many directories as you want, and then delete any Support Packs from the list you do not want to be copied.
3. Click **Next**. The **Download HP ProLiant and HP Integrity Support Packs for Operating System** page appears.

   Select the operating systems from the list. VCRM downloads the HP ProLiant Support Packs and HP Integrity Support Packs for the selected operating systems.
4. Click **Next**. The **VCRM Setup - Automatic Update** dialog box appears.

Configuring Automatic Update

The **Automatic Update** dialog box enables you to schedule automatic updates for your repository from the HP website.

Note: If you do not want to use the automatic update feature, refer to the Updating the repository manually from the HP SmartStart CD section to update the repository manually.

To configure an automatic update:

1. Select **Enable Automatic Update** to automatically download ProLiant and Integrity Support Packs and components at a specific time.
2. In the **Interval between updates** field, select an interval from the dropdown menu.
3. In the **Day of Week** field, select a day of the week to update the repository from the dropdown menu to update the repository.
4. In the **Time of Day** field, select a time for the update to occur from the dropdown menu for the update to occur.
5. Use the **Set Proxy** option to configure a proxy server for VCRM.

   To set the proxy server:

   Note: VCRM supports Internet Protocol version 6 (IPv6) coexistence.

   a. Click **Set Proxy**. The **Proxy Server Settings** dialog box displays.
   b. In the **Server Name** field, enter the name of the proxy server. Clearing this field removes all proxy server settings, and the automatic update is performed without connecting through a proxy server.
   c. In the **Port** field, enter the proxy server port. For example, enter `8080`. If the **Server Name** field is blank, this value is ignored.
   d. In the **Server Login** field, enter a valid login for the proxy server. Leave this field blank if a server login is not required.
   e. In the **Password** field, enter a valid password for the login on the proxy server. If the **Server Login** field is blank, this field is ignored.
   f. Click **OK** to save your settings or **Cancel** to discard the settings.
6. Click **Finish** to save the VCRM settings.

   If **Automatic Update** is enabled and a proxy server is configured, the connection with the proxy server is verified before continuing. If the proxy server cannot be reached, a message appears **Unable to connect.**
7. The **HP Setup** wizard page appears, and the installation begins. When it completes, the result of the installation appears.
8. Click **Close**. The installation is complete.

   Note: You can install the VCRM during the HP SIM installation. Refer to the *HP SIM User Guide* for more details. Also remember, that in a network, VCRM must be installed on only one system, but the VCA must be installed on all servers.

Updating the Repository

The automatic update feature of the *HP Version Control Repository Manager* (VCRM) is the preferred solution for updating repositories automatically. The automatic update feature of the VCRM keeps servers connected to HP for proactive delivery of the latest *HP ProLiant and Integrity Support Packs* and components directly to a specified repository. You can configure the automatic population of the repository during the VCRM installation or after installation. In the event you cannot use the automatic update feature, you can populate the repository from the HP SmartStart CD as indicated in the Updating the repository from the HP SmartStart CD section. If you must manually update the repository, for example, because you deleted a Support Pack from the repository and you later needed it, see the Updating the repository manually from the HP SmartStart CD section.

Uploading a Support Pack

With the **Upload a Support Pack** option, you can complete the following tasks:

- Browse for HP ProLiant and Integrity Support Packs on drives and CD that are accessible to your local system.
- Copy the available support packs into the Version Control Repository directory.

> **NOTE:** For more information on uploading support packs, see the "Uploading support packs" section.

Updating from the Website

The **Update from hp.com Now** option enables you to update the repository from **http://www.hp.com/servers/swdrivers** website without having to wait for a scheduled update.

> **NOTE:** To use the **Update Now** option, ensure that atleast one Version Control Agent (VCA) is pointing to the VC Repository Manager. For more information on updating repositories automatically, see the "Updating the repository immediately" section.

Updating the repository from the HP SmartStart CD

To populate the repository with ProLiant Support Packs from the HP SmartStart CD 6.0 or later:

1. Insert the **HP SmartStart CD** in the CD-ROM drive. The **SmartStart welcome** screen appears.
2. Click **Populate a version control repository with the ProLiant Support Packs available on this HP SmartStart CD**. A screen appears asking you to enter a machine name.
3. In the **Machine Name** field, enter the name of the machine that has the repository installed.
4. Click **Populate**. Click **Clear** to clear the **Machine Name** field or **Back** to return to the previous screen. The **SMH Login** appears.
5. In the **User** field, select the login account for the SMH.
6. In the **Password** field, enter the password associated with the login that you entered.
7. Click **OK**. The **Upload Support Pack(s)** page appears.
8. To upload a ProLiant Support Pack, refer to the Updating the repository manually from the HP SmartStart CD.

   Note: VCRM supports downloading and installing Online System BIOS ROM flash components.

Updating the repository manually from the HP SmartStart CD

When you are logged in locally at the system where the VCRM is installed, you can update the repository by performing a manual copy of files from the HP SmartStart CD to the repository directory on your local system.

To populate the repository manually with ProLiant Support Packs from the HP SmartStart CD version 6.0 or later:

1. Insert the **HP SmartStart CD** in the CD-ROM drive.
2. From **Windows Explorer**, double-click the CD-ROM drive to open the HP SmartStart CD.
3. Click **Compaq** to open the directory.
4. From within the `Compaq` directory, click **CSP** to open the directory.

5. The `CSP` directory contains a Linux directory for Linux-related Support Packs and a Windows NT® directory that contains all of the components and support packs and an XML file for each supported Microsoft operating system. Click **Linux** or **NT** depending on the type of Support Packs with which you want to populate your repository.

6. After you have opened one of the directories, select all of the Support Pack files, click **Edit** from the Windows Explorer toolbar, and select **Copy**.

7. From Windows Explorer, navigate to the repository directory, for example, `c:\repository`. Click the repository directory.

8. From the **Microsoft Windows Explorer** toolbar, click **Edit** and select **Paste**. The Support Packs are copied into the `c:\repository` directory. The repository is now populated.

9. From the `c:\repository` directory, select a component. Right-click the component and select **Properties**. Note that the file is read-only. For the VCRM to allow component configuration, a component cannot be read-only. Deselect the read-only attribute and click **OK**.

Updating the repository manually from the HP SmartSetup CD

When you are logged in locally at the system where the VCRM is installed, you can update the repository by performing a manual copy of files from the HP SmartSetup CD to the repository directory on your local system.

To populate the repository with Integrity Support Packs from the HP SmartSetup CD 3.2 or later:

1. Insert the **HP SmartSetup CD** in the CD-ROM drive on the system with the VCRM installed.
2. From **Windows Explorer**, navigate to *<CD-ROMdrive>\contents\supportpack\isp*.
3. Click **Edit→Select All**.
4. Click **Edit→Copy**.
5. Navigate to *c:\repository* and click **Edit→Paste**.

Related topics

- Copying items to another repository
- Deleting Items from the repository

3 Navigating the software

You can access the *HP Version Control Repository Manager* (VCRM) by navigating to
`https://VCRMSystem:2381/vcrepository`, or you can access it from the **Version Control** status
box on the *System Management Homepage* (SMH). The VCRM provides an interface that enables you to
easily navigate through the main pages:

- "Home"
- "Catalog"
- "Log"

Procedures

- Configuring Auto Update
- Creating a custom software baseline

About HP Version Control Repository Manager

▲ About software repositories

Related topics

- Logging in
- Logging out

Configuring Internet Explorer settings

Configuring Internet Explorer to allow the VCRM Upload feature

Some features on the *HP Version Control Repository Manager's* browser interface depend on browser settings
at the client system used to access the VCRM. These security settings in Microsoft Internet Explorer must be
set to use the **VCRM Upload** feature.

To configure the Internet Explorer to use the VCRM Upload feature:

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Click **Custom Level**. The **Security Settings** dialog box appears.
3. Under **ActiveX controls and plug-ins, Download signed ActiveX controls**, select **Enable**.
4. Under **Run ActiveX controls and plug-ins**, select **Enable**.
5. Under **Script ActiveX controls marked safe for scripting**, select **Enable**.

The advanced settings in Microsoft Internet Explorer must be set to ensure that saving a copy of the VCRM
log functions when the log is cleared.

To configure the Microsoft Internet Explorer advanced settings:

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Click the **Advanced** tab.
3. Scroll down to the **Security** section, and disable **Do not save encrypted pages to disk**.
4. Click **OK** to save your changes and close the **Internet Options** dialog box.

By default, Internet Explorer security settings block some actions performed by the VCRM. To correctly
configure Internet Explorer security settings, HP recommends that you add the *System Management Homepage*
(SMH) URL to Internet Explorer's Trusted Sites.

To add the SMH to Internet Explorer's Trusted Sites:

1. From Internet Explorer, click **Tools→Internet Options**.
2. Click the **Security** tab. The **Security** tab appears.

3. Select the **Trusted sites** icon.
4. Click **Sites...** The **Trusted sites** dialog box appears.
5. In the **Add this Web site to the zone** field, enter `https://hostname:2381/` and click **Add**.
6. Click **OK** to save your changes and close the **Trusted sites** dialog box.
7. Click **OK** to close the **Internet Options** dialog box.

Configuring Internet Explorer firewall settings

Some operating systems, including Windows XP with Service Pack 2 and Windows Server 2003 SBS, implement a firewall that prevents browsers from accessing the ports required for the VCRM access. To resolve this issue, you must configure the firewall with exceptions to allow browsers to access the ports used by HP Systems Insight Manager and VCRM.

NOTE: For Windows XP with Service Pack 2, this configuration leaves the default SP2 security enhancements intact, but allows traffic over the ports. These ports are required for the VCRM to run. The secure and insecure ports must be added to enable proper communication with your browser.

To configure the firewall:
1. Select **Start→Settings Control Panel**.
2. Double-click **Windows Firewall** to configure the firewall settings.
3. Select **Exceptions**.
4. Click **Add Port**.

    You must enter the product name and the port number.

    Add the following exceptions to the firewall protection:

Product	Port Number
HP SMH Insecure Port:	2301
HP SMH Secure Port:	2381

5. Click **OK** to save your settings and close the **Add a Port** dialog box.
6. Click **OK** to save your settings and close the **Windows Firewall** dialog box.

Related topics

▲ Home

Home

The *HP Version Control Repository Manager* Home page permits the following:

- "Uploading support packs" - Uploading a Support Pack
- "Viewing a custom software baseline" - Viewing the contents in the repository
- "Creating a custom software baseline" - Creating a Custom Software Baseline
- "Configuring Auto Update" - Configuration of the Repository and automatic update settings

Overview of statistics

The **Statistics** section displays how many HP ProLiant and HP Integrity Support Packs and components are available in the repository.

Overview of software baselines

The **Software Baselines** section lists all of the ProLiant and Integrity Support Packs that the VCRM has cataloged in the repository. If a ProLiant or Integrity Support Pack has a **Minor** status icon displayed with it, the ProLiant or Integrity Support Pack is invalid because one or more items listed in the ProLiant or Integrity Support Pack was not found in the repository.

Note: You can access a full listing of all available ProLiant and Integrity Support Packs and components by clicking the **Catalog** tab.

Procedures

- Configuring Auto Update
- Creating a custom software baseline

Related topics

- Uploading support packs
- Viewing a custom software baseline

Viewing a custom software baseline

You can view the details regarding a Custom Software Baseline, *HP ProLiant and Integrity Support Pack*, or *component* details.

> **NOTE:** Document links can appear inside the details view, but these links will not work. The data displayed is specific to the **http://www.hp.com** website.

> **NOTE:** You can view the component details from the **Home** page or the **Catalog** page.

Viewing Custom Software Baseline or HP ProLiant and HP Integrity Support Pack details

You can view details regarding an HP ProLiant and HP Integrity Support Pack or component details.

To view Custom Software Baseline or HP ProLiant and HP Integrity Support Pack details:

1. Click the **Home** tab. The **Home** page appears.
2. Click the link of the Custom Software Baseline or HP ProLiant and HP Integrity Support Pack you want to view. The **HP ProLiant and HP Integrity Support Pack** details are displayed in a new browser window.
3. To view details about the components in the HP ProLiant and HP Integrity Support Pack you are viewing, click any of the component links listed at the bottom of the **HP ProLiant and HP Integrity Support Pack** details page.

Viewing component details

To view component details:

1. Click the **Home** tab. The **Home** page appears.
2. Click the link associated with the component you want to view. The **Component Details** page appears if you are viewing details for an HP ProLiant and HP Integrity Support Pack.

Related topics

▲ Creating a custom software baseline

Configuring Auto Update

You can change the **Repository Directory** settings if you are logged in to the SMH with **operator** or **administrator** privileges. However, the maximum length of the path to the **Repository Directory** is 128 characters.

> **NOTE:** Automatic update downloads software from HP based on the operating systems of *HP Version Control Agents* (VCA) that are configured to use this *HP Version Control Repository Manager* (VCRM) for status and software updates. If something is downloaded that does not apply to your environment, for example, certain ROM components, use the **Delete** feature of the VCRM to remove it from the system and catalog.

To configure the repository and automatic update settings:

NOTE: You can also configure the Automatic Update Settings using the Command Line Interface (CLI).

1. Click the **Home** tab. The **Home** page appears.

2. Click the **Configure the Repository and Automatic Update Settings** link. The **Repository Directory** page appears.

3. In the **Directory** field, enter the location that you want to monitor for components and *HP ProLiant and Integrity Support Packs*. This must be a local path on the repository system. Be sure that the directory can be accessed with *read-write* privileges by the VCRM Win32 service. Click **Reset** to restore the original directory setting, or you can click **Cancel** to abort the change.

   Note: The directory path cannot contain the ampersand (&) character. If this character is used, the VCRM is unable to change the settings.

4. Click **Next**. The **Download HP ProLiant and HP Integrity Support Packs for Operating System** page appears.

   Select the operating systems from the list. VCRM downloads the HP ProLiant Support Packs and HP Integrity Support Packs for the selected operating systems during the scheduled update.

5. Click **Next**. The **Automatic Update Settings** page appears.

   a. Select the **Enable automatic downloading of new HP ProLiant and HP Integrity Support Pack and components from Hewlett-Packard's website at a specified interval and time** option if you want the repository to automatically update.

      Note: If you select the option to automatically receive updates, the Download schedule settings enable you to configure the frequency and times that you want to automatically update.

   b. In the **Interval between updates** field, select how often you want to update automatically from the dropdown menu.

c. In the **Day of Week** and **Time of Day** fields, select the day of the week that you want to automatically update from the dropdown menu, then in the next field, select the time you want to automatically update from the dropdown menu.

   Note: If you select one day or two days from the **Interval between updates** option, the **Day of Week** option is unavailable because the update happens daily, or every two days, from the day you made the selection.

   Note: If the VCRM service does not connect to the Internet through a proxy server, proceed to step 5.

d. In the **Proxy** field, enter the proxy server name and click **Set Proxy Server**. The **Proxy Server Settings** dialog box appears.

   Note: The proxy settings enable you to set the name or IP address of a proxy server, the proxy port, login name, and password for the proxy server. To configure a proxy server, the server name must be entered, but the other fields can be left blank if appropriate. If you do not enter a server name, the other values are not saved.

e. In the **Proxy Server Name** field, enter the name of the proxy server. Clear this field to remove all proxy server settings.

f. In the **Port** field, enter the port address. This value is ignored if the **Server Name** is blank.

g. In the **Proxy Server Login** field, enter a login name. You can leave this blank if the proxy does not require authentication.

   Note: If you are using an authenticating proxy server and have supplied a login user name in this field, you might need to configure the VCRM Windows (Win32) service to log on with a user account, instead of LocalSystem, which is the default.

h. In the **Password** field, enter the password associated with the **Proxy Server Login** you just entered. This field is ignored if the **Login** field is blank.

i. Click **OK**. Your new proxy settings are saved and you are returned to the **Automatic Update Settings** dialog box. Click **Cancel** to return to the **Automatic Update Settings** dialog box, if you do not want to enter the proxy server settings. The configuration you specified appears in the wizard.

j. When the upload task completes, view the **Log** to confirm that all of the ProLiant and Integrity Support Packs and components were successfully uploaded to the VCRM.

6. Click **Finish**. Click **Reset** to return the settings back to the previous settings, **Back** to return to the previous page, or **Cancel** to abort the operation. If you have enabled the automatic update feature, the connection is tested at this time. If an error occurs, the settings are not saved, and you remain on the automatic update settings page to correct any errors.

7. Click **Save**. Your changes are saved and you are returned to the **Catalog** page. You can click **Cancel** to abort the component configuration.

Related topics

- Uploading support packs
- Viewing a custom software baseline

Uploading support packs

This feature enables you to browse for *HP ProLiant and Integrity Support Packs* on drives and CDs accessible to your local system, and have those ProLiant and Integrity Support Packs copied into the Version Control Repository directory.

NOTE: You can install ProLiant Support Packs from the HP SmartStart CD. Refer to "Updating the repository" to learn how to update the repository from the HP SmartStart CD.

NOTE: This feature is only supported on the Internet Explorer browser, and you must have configured your security settings to allow downloading and installing the **Version Control Upload (ActiveX) Control**.

NOTE: For information regarding Microsoft Internet Explorer Security Settings, refer to "Configuring Internet Explorer settings".

To upload a ProLiant or Integrity Support Pack:

1. Click the **Home** tab. The **Home** page appears.
2. Click the **Upload a Support Pack** link. The **HP ProLiant and HP Integrity Support Pack** page appears.
   a. To select a folder that contains ProLiant and Integrity Support Packs, click **Browse** and select directories that contain ProLiant and Integrity Support Packs you would like to upload into the repository. The **Select HP ProLiant and HP Integrity Support Pack Folders** dialog box appears.

      Note: You might have to browse to subdirectories to find the ProLiant or Integrity Support Pack for which you are searching.

   b. A checkbox appears next to any folder containing the ProLiant or Integrity Support Pack. Select the folders to include the desired paths in the upload list. Click **OK**. The **Upload HP ProLiant and HP Integrity Support Packs** page appears.

      Note: When the Upload HP ProLiant and HP Integrity Support Packs page appears, a **Security Warning** dialog box might display alerting you that a component that has access to their file system is being installed on the system. If this **Security Warning** dialog box appears, click **Yes** to install the component. If you do not want to install the component, which is required to upload the ProLiant and Integrity Support Packs, click **No**.

3. Verify that you want the selected ProLiant or Integrity Support Packs uploaded to the VCRM, and click **Upload** to begin copying the files to the VCRM's repository directory.

   Note: Before you click **Upload**, you can deselect any ProLiant and Integrity Support Pack shown to remove it from the list, and it will not be uploaded.

4. After clicking **Upload**, the **Upload Progress** section appears. The Current Task field, located in the Upload Progress section, refers to the file that is being uploaded. The Progress bar indicates the status of the file that is currently being uploaded. You can click **Cancel** to abort the upload process. If you click **Cancel**, a message appears asking you if you are sure you want to cancel the operation. Click **OK**, and the upload is canceled as soon as the current task is completed.

   Note: The Progress bar, located in the bottom of the browser window, indicates the status of the task currently being executed, while the one in the Upload Progress section shows the overall progress for all files being uploaded.

5. When the upload completes, a message appears indicating the upload is complete, and **Cancel** is replaced by **Close**. Click **Close** to close the upload window and refresh the VCRM display.

   Note: The upload task is complete when the files have been transferred from the local system to the VCRM. For performance reasons, transferred files are queued for cataloging as a separate activity at the VCRM server, meaning that upon completion of the upload, not all of the files will immediately appear in the catalog, and uploaded ProLiant and Integrity Support Packs may be marked as invalid until all files have been cataloged, usually within a few minutes.

Related topics

- Viewing a custom software baseline
- Viewing recently added HP ProLiant and HP Integrity Support Packs
- Configuring Auto Update

Creating a custom software baseline

The *HP Version Control Repository Manager* (VCRM) enables you to create *Custom Software Baselines* based on the selected software components or *HP ProLiant and Integrity Support Packs*.

NOTE: You can also create a support pack from the **Home** or **Catalog** page.

To create a Support Pack from the Home page:

1. Click the **Home** tab. The **Home** page appears.
2. Click the **Create a Custom Software Baseline** link. The **Create a Custom Software Baseline** page appears.

   Note: The **Create a Custom Software Baseline** link is also available from the **Catalog** tab.

   a. In the **Operating System** field, select the appropriate operating system from the dropdown menu.
   b. In the **Name** field, enter a name for the Software Baseline, for example, `ACME Reference Software Set for Database Servers`.
   c. In the **Version** field, enter the version for the Software Baseline, for example, `1.0.0`.
   d. In the **Languages** field, enter a list of languages for the Software Baseline, for example, `English`, `French`, or `German`.

      Note: if you plan to install or deploy this custom baseline with HP Remote Deployment Utility, you must enter the correct *English* language name of the language. For example, if you want the target system to use the Japanese language, enter `Japanese`. Entering just `English` with a leading capital **E** will allow the custom baseline to be deployed to any system with the HP Remote Deployment Utility.

   e. In the **Description** field, enter a description for the Software Baseline.
3. Click **Next**. Click **Reset** to clear you entries or **Cancel** to abort the wizard.
4. Select the desired components or Support Packs to be part of the Support Pack. Click **Next**. Click **Cancel** to abort the wizard, **Back** to return to the previous page, or **Reset** to clear the selections.
5. To modify the Support Pack contents:
   a. In the section that displays the contents, select the desired component, then click **Delete**, **Move up**, or **Move down**.
   b. Repeat step **5a** until all components are in the desired order.

      Note: Make sure the components are ordered correctly, so they will install. When ordering the components in a Custom Software Baseline, HP recommends that they be ordered as follows: drivers first, then services, then utilities or agents.
6. Click **Finish**. The **Result** page appears indicating whether the Software Baseline was successfully created.
7. Click **Close**. The **Home** page refreshes, and a link to the new Custom Software Baseline appears in the list.

Related topics

- Viewing a custom software baseline
- Uploading support packs
- Configuring Auto Update

Log

The **Log** page displays a log of all actions performed by the *HP Version Control Repository Manager* (VCRM).

The following functions can be performed:

- "Viewing the log"
- "Viewing log entry details"
- "Viewing recently added HP ProLiant and HP Integrity Support Packs"

- "Viewing component details"
- "Clearing the log"
- "Changing log settings"

Procedures

- Changing log settings
- Clearing the log
- Viewing component details
- Viewing the log
- Viewing log entry details
- Viewing recently added HP ProLiant and HP Integrity Support Packs

Viewing the log

To view the log, click the **Log** tab. The **Log** page appears.

The Log entries are displayed in three columns:

- **Severity**   The status icons report the severity of an event.

    - **Informational** and **Normal** events are logged to confirm the internal event, such as startup, or the result of a successful task completion, such as a component install.

    - **Warning** events can indicate a condition that can mean a feature of the VCRM is not fully operational, such as an incorrect configuration.

    - **Major** events are logged when a task or process fails. These events could indicate a problem with the VCRM but can also be caused by invalid input in a task or an external condition (such as a network problem), which can prevent a task from completing.

    - **Critical** events indicate a failure and signal the need for immediate attention.

- **Date/Time**   The date and time are recorded when an event has occurred. The time is converted to the local time at the user's browser so that it represents the actual time the event occurred, even if the server is in a different time zone.

- **Message**   When additional information is available, a details link appears. Click the details link to display details. To view details of a specific event, click the details link associated with the message you want to view.

Related topics

- Log
- Changing log settings
- Clearing the log
- Viewing component details

Log status icons

The following icons tell you the overall software status in the repository, and details about the success of software download activity.

Status icons and definitions

The icons shown and defined indicate the overall software status in the repository and detail the success of software download activity.

Icon	Status
❌	Events of this type indicate a failure, signal the need for immediate attention, and are red in color.

Icon	Status
▼	Events of this type indicate an impending failure and are orange in color.
⚠	Events of this type indicate a warning condition that might escalate into a more serious problem and are yellow in color.
✅	Events of this type are operating normally and are green in color.
ⓘ	Events of this type require no attention. They are provided as useful information and are blue in color.

Related topics

▲   Home

Viewing log entry details

There are two types of links in log entries:

- Log entries for items that have been added to the catalog or existing catalog items that have been modified have the file name as a link to the details page for the item.

- Some log entries can have additional information and have a details link.

📝 **NOTE:**   Most log entries do not have additional data, so they do not have a details link.

NOTE: Depending on the type of situation that caused a log entry to be written, detail information is written in the VCRM's local operating system language or the client browser's language setting, if detail information in that language is available. Changes to the browser language setting after the log entry is written do not change the displayed language of the detail information.

To view log entry details:

1. Click the **Log** tab. The **Log** page appears.
2. Click the details link associated with the log entry you want to view. The **Entry Details** page appears.

Related topics

- Log
- Changing log settings
- Clearing the log

Changing log settings

The **Change Log Settings** option enables you to view and modify the configuration options of the *HP Version Control Repository Manager* (VCRM) log.

To change the log settings:

1. Click the **Log** tab. The **Log** page appears.
2. Click the **Change Log Settings** link. The **Log Settings** page appears.
   a. Select **Enable Log Aging** to automatically delete log entries after a specified number of days.
   b. In the **Days to Keep Entries** field, enter the number of days you want to elapse before deleting the log entries.

      Note: By default, log entries are kept for 90 days.

   c. In the **Choose the number of entries displayed on each log** page field, select the number of log entries you want displayed on each log page from the dropdown menu.
3. Click **Finish**. Click **Reset** to clear the options or **Cancel** to abort the Log Settings configuration operation. A message appears indicating whether the Log was successfully cleared.
4. Click **Close**. The **Log** is refreshed.

Related topics

- Clearing the log
- Viewing the log

Clearing the log

If you are logged into the system with **Operator** or **Administrator** privileges, you can clear the HP Version Control Repository Manager Log.

To clear the log:

1. Click the **Log** tab. The **Log** page appears.
2. Click **Clear the Log**. The **Clear the VCRM Log** page appears.

    Optionally, select **Save Log Text** to save a text only page of the log data before clearing all entries. If you select this option, you are prompted for a location to which to save the text file.

3. Click **Finish**. Click **Reset** to clear the **Save Log Text** selection or **Cancel** to abort the Clear operation.

Related topics

- Viewing the log
- Viewing recently added HP ProLiant and HP Integrity Support Packs
- Viewing log entry details
- Configuring Internet Explorer settings

Catalog

The **Catalog** page displays all of the Software Baselines, *HP ProLiant and Integrity Support Packs*, and *components* stored in the *repository*. The contents are displayed in order by operating system and component functionality.

📝 **NOTE:** HP Smart Update Manager (HP SUM) component will be available automatically to VCRM during an automatic update.

The following tasks can be performed:

- "Viewing specific custom software baseline" - Viewing the contents in the repository
- "Creating a custom software baseline" - Creating a *Custom Software Baseline*.
- "Deleting Items from the repository" - Deleting Items from the repository
- "Copying items to another repository" - Copying Items to another repository
- "Configuring a component" - Configuring a Component
- "Updating the repository immediately" - Update from hp.com now
- "Rescanning the repository" - Rescanning the repository and rebuilding the catalog

Catalog icons

The following icons indicate various information regarding the Software Baselines.

Icon	Status
⊞	Closed/collapsed node.
⊟	Open/expanded node.
🖳	Component item.
▼	Not configured. The component was never configured. You can configure the associated component by clicking this icon.

Icon	Status
	Configured. The component is configured. By moving your mouse over this icon, the configuration date appears. You can reconfigure the associated component by clicking this icon.
	Disabled Configuration. Configuration is disabled because you are not logged in as Administrator or Operator.
	ProLiant and Integrity Support Pack item.
	Custom Software Baseline item.

Viewing specific custom software baseline

The Software Baselines, displayed on the **Catalog** page, are grouped in the following order:

- Division
- Operating System
- Category

NOTE: Document links can appear inside the details view, but these links will not work. The data displayed is specific to the **http://www.hp.com** website.

NOTE: You can view the HP ProLiant and HP Integrity Support Pack Details from the **Home** page or the **Catalog** page.

NOTE: The Server division and Windows 2000 operating system items are displayed.

Viewing details for a specific Custom Software Baseline, ProLiant and Integrity Support Pack, or component

To view details for a specific Custom Software Baseline ProLiant and Integrity Support Pack or component:

1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the link associated with the Custom Software Baseline, HP ProLiant and HP Integrity Support Pack, or component you want to view. The **HP ProLiant and HP Integrity Support Pack Details** page appears.

Related topics

- Catalog
- Configuring a component
- Copying items to another repository
- Deleting Items from the repository
- Rescanning the repository

Viewing recently added HP ProLiant and HP Integrity Support Packs

You can access the **HP ProLiant and HP Integrity Support Pack Details** page for log entries regarding added *HP ProLiant and Integrity Support Packs*.

To view added ProLiant and Integrity Support Pack details:

1. Click the **Log** tab. The **Log** page appears.
2. Locate the log entry for the ProLiant and Integrity Support Pack about which you want to view details. Click the link provided at the end of the log entry. The **HP ProLiant and HP Integrity Support Pack Details** page appears.

Related topics

- Viewing the log
- Viewing log entry details
- Uploading support packs

Viewing component details

You can access the **Component Details** page for log entries regarding added components.

To access component details:

1. Click the **Log** tab. The **Log** page appears.
2. Locate the log entry for the component about which you want to view details. Click the link provided at the end of the log entry. The **Component Details** page appears.

Related topics

- Log
- Changing log settings
- Clearing the log

Configuring a component

The **Catalog** page enables you to select a configurable component and modify the component in the repository of the *HP Version Control Repository Manager* (VCRM). This process can be initiated to preconfigure component settings before it is installed on a server using the *HP Version Control Agent* (VCA) with or without *HP Systems Insight Manager* (HP SIM).

NOTE: Only components for the Windows operating system currently support pre-configuration.

To configure a component:

1. Select the **Catalog** tab. The **Catalog** page appears.
2. Click the **Configure a Component** link. The **Component Preconfiguration** page appears.

   Note: You can also configure a component by clicking the **Never Configured** icon (red flag) on the **Catalog** page, which takes you to the **Setup** page of the component. Clicking the **Component is Configured** icon (green flag) enables you to reconfigure the component.

3. Select the component that you want to configure. Click **Next** or **Cancel** to abort the configuration operation. The **Setup** page for the component that you select appears.

   Note: Each configurable component has its own settings and configuration page. Follow the instructions for data entry on the specific page that appears.

4. After entering all configuration data, click **Save**. Your changes are saved and you are returned to the **Catalog** page. Click **Cancel** to abort the component configuration.

Related topics

- Catalog
- Copying items to another repository
- Deleting Items from the repository
- Rescanning the repository
- Viewing specific custom software baseline

Copying items to another repository

The *HP Version Control Repository Manager* (VCRM) enables you to copy selected *Custom Software Baselines*, *HP ProLiant and Integrity Support Packs*, and *components* to another *repository*.

To copy desired Custom Software Baselines, ProLiant and Integrity Support Packs, or components from the **Catalog** page:

1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the **Copy Items to Another Repository** link. The **Copy Support Packs and Components** page appears.
3. Select the components and Support Packs you want to copy. Click **Reset** to clear the selected items or **Cancel** to abort the copy operation.
4. Click **Next**. The **Copy** page appears.
   a. In the **Name** field, enter the name of the repository to which the selected Support Packs and components are to be copied.
   b. In the **Login** field, enter the login account name for the SMH at that computer.
   c. In the **Password** field, enter the password for the account you entered.

      Note: Steps 5 and 6 are the login for the HP Management system where the VCRM is located. You must login as **Administrator** or **Operator** to complete the **Copy** operation.

5. Click **Finish**. Click **Back** to return to the previous page, or **Cancel** to abort the Copy request.
6. Click **Close**. The **Catalog** page is refreshed. The repository from which the component or Support Pack was copied, logs the success or failure of the copy operation.

Related topics

- Catalog
- Configuring a component
- Deleting Items from the repository
- Rescanning the repository
- Viewing specific custom software baseline

Copying VCRM settings and migrating the data to another repository

The *HP Version Control Repository Manager* (VCRM) enables you to copy the VCRM settings and migrate the data from one repository to another *repository*.

To copy the VCRM settings and migrate the data:

1. Click the **Catalog** tab. The **Catalog** page appears.

2. Click the **Copy Items to Another Repository** link. The **Copy Support Packs and Components** page appears.

3. Select the **Migrate HP Version Control Repository Manager Settings** checkbox. Click **Reset** to clear the selected checkbox or **Cancel** to abort the VCRM data migration operation.

4. Click **Next**.

   The **Destination Version Control Repository Manager** page appears.

a. In the **Computer Name** field, enter the name of the computer to which the VCRM settings and data are to be copied.

b. In the **Login** field, enter the login name.

c. In the **Password** field, enter the password for the account you entered.

5. Click **Finish**. Click **Back** to return to the previous page, or **Cancel** to abort the Copy request.

6. Click **Close**. The **Catalog** page is refreshed. The repository from which the VCRM settings and data was copied, logs the success or failure of the copy operation.

Related topics
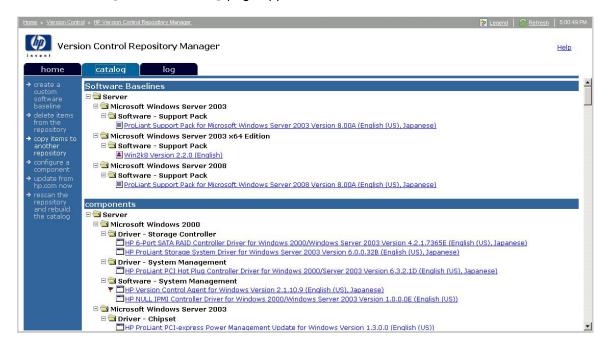
- Catalog
- Configuring a component
- Deleting Items from the repository
- Rescanning the repository
- Viewing specific custom software baseline

Rescanning the repository

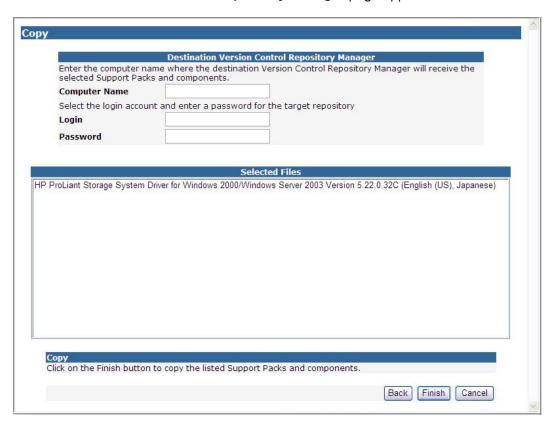When the repository directory is updated manually, rescan the repository and rebuild the **Catalog** so the new files are displayed on the **Catalog** page.

> **NOTE:** Rebuilding the **Catalog** can take several minutes, is resource intensive, and can result in degraded performance of the VCRM depending on the catalog size and system performance where the VCRM is installed.

To rescan the repository and rebuild the catalog:

1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the **Rescan the Repository and Rebuild the Catalog** link. The **Confirm Rescan** dialog box appears.
3. Click **Cancel** to abort the rescan process. Click **Ok** to rescan the repository directory and rebuild the catalog. When the process is complete, the refreshed **Catalog** page appears.

Related topics

- Catalog
- Configuring a component
- Copying items to another repository
- Deleting Items from the repository
- Viewing specific custom software baseline

Updating the repository immediately

The **Update Now** feature enables you to update the repository from **http://www.hp.com/servers/swdrivers** immediately without waiting for a scheduled update.

NOTE: An update takes several minutes to process, and should typically be used to update a repository that is already populated using the automatic update feature, scheduled for non-peak-time execution. If this task is used to perform an initial update it can take over one hour to complete, depending on the network connection, system performance, and the number of different operating systems required by VCAs which are configured to use the VCRM.

To update a repository immediately:
1. Click the **Catalog** tab. The **Catalog** page appears.
2. Click the **Update from hp.com Now** link. A message appears asking you to indicate whether you want to run an immediate update of the repository using any proxy settings configured for the automatic update.
3. Click **OK** to update the repository or **Cancel** to abort the operation. A message appears indicating an immediate update is started.
4. Click **OK** to start the update. The repository is updated.

   Note: The update results are displayed in the VCRM log.

Related topics

- Catalog
- Copying items to another repository
- Deleting Items from the repository
- Rescanning the repository
- Viewing specific custom software baseline

Deleting Items from the repository

The *HP Version Control Repository Manager* (VCRM) enables you to delete selected *Custom Software Baselines*, *HP ProLiant and Integrity Support Packs*, and *components*.

△ **CAUTION:** Deleting a ProLiant and Integrity Support Pack or component is irreversible. Use this feature with caution. If you delete a file and want to recover it, you must use one of the manual methods to restore the component or ProLiant and Integrity Support Pack to the repository.

CAUTION: The same file can appear in the catalog in multiple places if the component is applicable in more than one operating system or product family. Deleting any instance of the item from the catalog removes all occurrences because the underlying file is deleted.

📝 **NOTE:** Deleting components or ProLiant and Integrity Support Packs erases the associated files from the repository directory. If you want to remove items from the VCRM catalog without deleting the files, first copy the files to a directory not managed by the VCRM.

NOTE: If you have the automatic download feature enabled and you delete files directly in the file system, they are downloaded again, so always delete them using the VCRM.

To delete a Custom Software Baseline, ProLiant and Integrity Support Pack, or component from the **Catalog** page:

1. Select the **Catalog** tab. The **Catalog** page appears.
2. Click the **Deleting Items from the Repository** link. The **Delete HP ProLiant and HP Integrity Support Packs and Components** page appears.
3. Select the Custom Software Baseline, ProLiant or Integrity Support Pack, and components to be deleted. Click **Next**. Click **Reset** to clear the current selections or **Cancel** to abort the Delete operation. The **Delete** page appears.
4. If desired, select **When deleting HP ProLiant and HP Integrity Support Packs, delete its components as well (unless the component is part of another HP ProLiant and HP Integrity Support Pack).**

   This option allows deletion of components contained in the selected ProLiant and Integrity Support Packs. The components are not to be deleted if they are part of another ProLiant and Integrity Support Pack.

   Note: If you have selected only one or more individual components, ignore this option.
5. Click **Finish**. Click **Back** to return to the previous page, or **Cancel** to abort the **Delete** operation. A page appears indicating whether the delete operation was successful.
6. Click **Close**. The **Catalog** page is refreshed.

Related topics

- Catalog
- Configuring a component
- Copying items to another repository
- Rescanning the repository
- Viewing specific custom software baseline

4 Troubleshooting

HP Version Control Agent

Access problems

My Install buttons are grayed out in the VCA when I configure the VCA with administrator, operator or even invalid credentials to connect to the VCRM.

Solution: The VCRM's SMH has anonymous access enabled.

HP recommends that you upgrade the VCRM with the version from the 7.50 HP Management CD.

HP SIM problems

How do I recover from a failed update when the software *repository* becomes unavailable while the update is performed in *HP Systems Insight Manager* (HP SIM)?

Solution: If the update task uses a software version criteria, execute the task again. The update starts over and the Smart Components that are deployed are only installed if supported by the target servers.

Use the task log to examine the target systems and determine where the update failed.

The software update feature in HP SIM does not locate any repositories. How can this be corrected?

Solution: Verify the Discovery settings and ensure that the IP range specified does not exclude the selection of available repositories. Also, for a repository to announce itself as such to HP SIM, ensure that the repository is managed by the *HP Version Control Repository Manager* (VCRM). While it is not necessary, it is useful to set up a VCRM on a system before you run Discovery in HP SIM for the first time. Make sure that the VCRM trusts HP SIM.

One of the three items I was trying to install from HP SIM failed to download from the repository, yet the other two items, which downloaded properly, did not install.

Solution: If any items fail to download from the repository, the VCA will not attempt to install any of the items.

I set up a task to notify me using email when a software update task completed in HP SIM, but when the event arrived, not all of the software was completely installed.

Solution: The software update task sends the VCA on each target system a command to install the specified components. After the install command has been sent to the last system, the software update task completes, and the completion event is sent. However, at this time, some of the systems might still be in the process of downloading components and installing them.

Why can't I install or update the VCRM using the VCA? I receive an Unable to install the Microsoft XML Parser 3.0 (1603) error.

Solution: You are attempting to install the VCRM with the VCA, whose service does not have administrative privileges.

Perform the recommended changes only on servers running both the VCA and VCRM:

1. Launch the **Services** program.
2. Right-click the **VCA** service.
3. Select **Properties**.
4. Click the **Log On** tab.
5. Click **This account**.
6. Enter the name of or browse to a user with administrative privileges using **Browse**.
7. Click **OK** to save the changes.

You will now be able to install and upgrade the VCRM using the VCA.

Log problems

Why do I see a reboot required, `Status 2` in the VCA Log but not in the Install Log?

Solution: The **VCA Log** page contains information logged by the VCA during its operation. The **VCA Log** is often informational when you are trying to troubleshoot a problem, such as why a specific task failed. In

this specific case, the component setup program detected that the installation succeeded, but will not be complete until the system is rebooted. The VCA does not reboot the system after each component install, but at the end of all installations, to avoid unnecessary restarts. If the installation task was started without the **reboot automatically** option selected, you must restart the server manually to ensure proper installation of all software.

The **Log** page contains information logged by the component setup program.

Why do some of my components not install and report in the log as failed, although the hardware exists on my server and requires the update?

Solution: Some HP components are not written to support silent installation, such as HP NIC drivers for Windows NT, which is an installation that requires user intervention. The VCA can only install components that are written for silent installation. The following components currently do not support silent installation:

- NetFlex/Netelligent Adapter Driver for Windows NT 4.0
- Ethernet/Fast Ethernet or Gigabit NIC Driver for Windows NT 4.0
- Array Redundancy Software for Windows 2000

In the event silent installation is not supported, HP recommends the following procedure

1. View the VCA log and determine which component failed.
2. Access the failed system, and browse to the VCRM repository from that system.
3. Browse to the **Catalog** and identify the component.
4. Click the component. The **Component Details** page appears.
5. Click the link associated with the component at the top of the **Component Details** page to download the failed component.
6. Save the component to the system.
7. Install the component manually.

In the event components fail because they are not signed by Authenticode technology or have not cleared the Microsoft Windows logo testing, check the target system for messages.

If these components do not or will not install without user intervention or silently, why does the VCA report Failed to Install?

Solution: At the current time, the VCA does not differentiate between silent and non-silent components.

I am unable to save the log entries in a file and following Microsoft Internet Explorer message appears, "Internet Explorer cannot download clrlogwiz&logsave=true from the local host". What is happening?

Solution: A browser setting is preventing you from writing to the log file.

HP recommends the following actions:

1. From Microsoft Windows Explorer, click **Tools→Internet Options→Advanced**.
2. Under the **Security** section, deselect **Do not save encrypted pages to disk**.
3. Click **OK**. The settings are saved.

After installing the SMH from the installation icon in the VCA, the VCA log disappeared and indicated that the page cannot be displayed. What happened to the log?

Solution: The SMH is restarted during the installation which disrupts the connection between the client browser application and the system. To resolve this issue, HP recommends that you login to the SMH again and view the VCA log directly to determine the status of the installation task.

When attempting to clear the log and save log text using Internet Explorer, a security dialog box appears indicating a file download error has occurred. I can download the file by right-clicking the **Security** tab and selecting **Download File**. However, when I open the log file from the saved location, there is no data. How can I resolve this issue?

Solution: The default Internet Explorer security settings prevent you from downloading the file.

To resolve this issue, HP recommends that you add the SMH URL to Internet Explorer's Trusted Sites.

To add the SMH to Internet Explorer's Trusted Sites:

1. From Internet Explorer, click **Tools→Internet Options**.
2. Click the **Security** tab.
3. Select the **Trusted sites** icon.

4. Click **Sites...**. The Trusted sites dialog box appears.
5. In the **Add this Web site to the zone** field, enter `https://hostname:2381/` and click **Add**.
6. Click **OK** to save your changes and close the Trusted sites dialog box.
7. Click **OK** to close the Internet Options dialog box.

Print problems

When I try to print from a Mozilla browser, a dialog box displays indicating there is an `Unknown Error`**. Why is this happening?**

Solution: A default printer has not been configured. HP recommends that you configure a default printer to resolve this issue.

ProLiant Support Pack problems

After inititating the ProLiant Support Pack installation on a server, a message displays indicating XML PARSING ERROR and the log details display `The xml file was tainted`. The ProLiant Support Pack installation is terminated.

Solution: The ProLiant Support Pack installation is terminating due to low disk space.

To resolve this issue, ensure the server has at least 200 MB or more of free disk space so the installation can complete successfully.

Replicate Agent Settings problems

The Replicate Agent Settings feature in HP SIM denies access to the source system for security reasons. How is this corrected?

Solution: HP SIM implements security to ensure that access to management information is available only to authorized users. This security relies on security settings between HP SIM with managed systems. HP SIM will deny access if the trust relationship between HP SIM and the source system's SMH is not configured correctly. To correct this problem, HP suggests the following procedure:

1. Navigate to `https://hostname:2381`.
2. From SMH, click **Settings→Security→Trust Mode**.
3. Correct the configuration.

Note: For more information regarding Trust Relationships, refer to *Setting up Trust Relationships* in the *HP SIM User Guide*.

Complete information on the security implemented by the management system, where the VCRM is installed, and the managed systems, or SMH, are available in the *Security* white paper. To download the *Security* white paper, go to **http://www.hp.com/servers/manage**.

Repository problems

The job of the Software Version Status Polling tasks in HP SIM is to retrieve a list of installed software and firmware from systems and obtain the software status from the *HP Version Control Agent* (VCA) on those systems. Why do I need to specify a repository when setting up this task? Does it matter which repository I choose?

Solution: HP SIM sends the selected VCRM a list of all the software versions in sorted order. This is necessary so that HP SIM can properly handle searches that include software version comparisons. The VCRM can return a sorted list of versions for a *component* even if that component does not exist in the repository. However, it is generally a good idea to choose a repository with the most complete set of software.

I cannot seem to configure the VCA settings to access the VCRM using the administrator credentials. Why is this happening?

Solution: When SMH is installed, the VCA cannot be configured to access a VCRM 2.1 or later using the **administrator** login credentials. A feature in the VCA prevents you from using the **administrator** credentials to ensure that the **administrator** OS Account for the VCRM is not locked out when the VCA retries the login to the VCRM several times.

HP recommends that you create an account with administrator privileges to be used specifically by the VCA, for example, *vcadmin*.

Software inventory problems

Why do some of the components display in the inventory for hardware that is not physically located on my server?

Solution: This issue is caused by a conflict between SmartStart and the VCA and might display with **Yellow** status icons in the *Latest Version* and **Support Pack** columns.

SmartStart installs all components, specifically storage components, for hardware, regardless of the physical location of hardware on the server, for example:

- 32-Bit SCSI Controller Driver for Windows NT 4.0
- Drive Array Driver for Windows NT 4.0
- Smart Array-2 Controllers Driver for Windows NT 4.0
- 64-Bit/66Mhz Dual Channel Wide Ultra3 SCSI Controller Driver for Windows NT 4.0
- Smart Array 5x Controller Driver for Windows NT.40

The inventory for these components might display with **Yellow** status icons, stating an upgrade is needed and available, which occurs when the VCRM configured on the VCA is cataloged with newer versions of these components.

For example, if your server is configured with components from HP SmartStart CD 5.2 and the **Catalog** of your VCRM contains new HP SmartStart CD 5.3 components, the inventory of the VCA displays the previously mentioned items with **Yellow** status icons. You cannot upgrade these components because the physical hardware does not exist on the system or allow the status icons to display with a **Green** icon reporting the components are current. The **Overall Status** also continues to display with a **Yellow** icon because the VCA is reporting components that need updating.

You can create a *Custom Software Baseline* excluding these components and configure your VCA to use it as its *Reference Support Pack*. This option enables the *Support Pack Version* column to exclude these components during its version comparison, which allows your Overall Status to display with a **Green** icon stating the inventory is current. However, the **Latest Version** column will continue to display with **Yellow** icons for these components.

This solution should only be applied to those systems without the storage hardware physically installed.

This problem will be corrected in future releases of the VCA.

"ati2mtag.sys" and "HPCISSs2.sys" are observed as software names under Installed Software.

Solution 1: Install Insight Management Agents for SNMP and install/configure SNMP with at least one community string with read access. This will make VCA to collect inventory from SNMP.

Solution 2: Populate VCRM with latest updates and configure VCA to VCRM. This will make VCA to update the latest applicable description from VCRM for that product.

Solution 3: Use Smart Start CD to install the required drivers. This will install drivers with the HP Metadata and driver name description.

HP Version Control Repository Manager

Access problems

After updating my Windows XP system with Service Pack 2, I am unable to access the HP Version Control Repository Manager. What happened?

Solution: The Windows XP Service Pack 2 implements a software firewall that prevents browsers or other clients from accessing the ports required for access to the VCRM. To resolve this issue, you must configure the firewall with exceptions to allow access through the ports used by HP SIM, VCA and other VCRMs.

HP recommends the following actions:

1. Select **Start→Settings→Control Panel**.
2. Double-click **Windows Firewall** to configure the firewall settings.
3. Select **Exceptions**.
4. Click **Add Port**.

   You must enter the product name and the port number.

Add the following exceptions to the firewall protection:

Product	Port Number
HP SMH Insecure Port:	2301
HP SMH Secure Port:	2381

Note: For more information regarding HP SIM secure and insecure ports, refer to the *HP SIM User Guide*, *Troubleshooting*, *Login Problems* section.

5. Click **OK** to save your settings and close the **Add a Port** dialog box.
6. Click **OK** to save your settings and close the **Windows Firewall** dialog box.

This configuration leaves the default SP2 security enhancements in tact, but will allow traffic over the ports previously indicated. The secure and insecure ports must be added to enable proper communication from your browser and other clients that access the VCRM.

Browser problems

When I try to configure a component using the latest ProLiant Support Pack, the component configuration wizard appears in my Mozilla browser with a screen that has all configuration screens included in one individual screen. I am unable to save any configuration, and a blank screen appears in the wizard when I click Save. Why is this happening?

Solution: The component configuration included in ProLiant Support Pack 7.10 and earlier might not succeed when using the Mozilla browser because there are dependencies contained in the component's configuration HTML.

To resolve this issue, use Internet Explorer 6.0 SP1 or later, or HP Remote Deployment Utility to configure components.

The Upload Support Pack task does not work. What is happening?

Solution: The browser settings to download and run ActiveX controls must be enabled for the **Upload ProLiant Support Pack** task to work.

To configure the Microsoft Internet Explorer security settings

1. From the **Microsoft Internet Explorer** toolbar, click **Tools** and select **Internet Options**. The **Internet Options** dialog box appears.
2. Click **Custom Level**. The **Security Settings** dialog box appears.
3. Under **ActiveX controls and plug-ins, Download signed ActiveX controls**, select **Enable**.
4. Under **Run ActiveX controls and plug-ins**, select **Enable**.
5. Under **Script ActiveX controls marked safe for scripting**, select **Enable**.
6. Click **OK** to save your settings. You are returned to the browser.

Catalog problems

When I copy the files from a ProLiant and Integrity Support Pack into the repository manually, I might not see all of the new components listed on the Catalog page. What can I do to see these files?

Solution: When you copy files into the repository manually without using the VCRM, the repository might need to be rescanned and the catalog rebuilt. For more information regarding copying files into the repository manually, refer to the VCRM help files, *Updating the Repository Manually from the HP SmartStart CD* (for ProLiant servers) or HP SmartSetup CD (for Integrity servers). For more information regarding rescanning the repository, refer to VCRM help files, *Rescanning the Repository and Rebuilding the Catalog.*

The rescan functionality does not seem to work on my VCRM. Why is this happening?

Solution: The rescan functionality does not work when the **Auto Update** is in progress. After the **Auto Update** is complete, the repository rescans itself, and all the components and ProLiant Support Packs downloaded during the **Auto Update** are displayed in the catalog.

During the automatic update, I received the following error, `The automatic update failed because an error occurred while retrieving the download site catalog.` **The error message referenced an error for the catalog.xml file and an error code 12007, 12015, and etc. What does this mean?**

Solution: While the automatic update process was in progress, the VCRM was unable to connect to the website.

HP recommends the following actions:

- Verify that the hardware connection for the Internet is secure, for example, phone line or cable, to the machine where the VCRM is installed.

- Verify the domain name server (DNS) settings are correct.

- Verify that the proxy server, port, and proxy user authentication settings are correct.

After I use the 'Upload a Support Pack' feature, why are some of the new Support Packs marked invalid and other files missing, even though the upload appeared to complete successfully?

Solution: The upload completes after all files have been transferred from the local system to the VCRM. For performance reasons, transferred files are queued for cataloging as a separate activity at the VCRM server, meaning that upon completion of the upload, not all of the files will immediately appear in the catalog, and uploaded Support Packs may be marked as invalid until all files have been cataloged, usually within a few minutes.

Error problems

My VCRM upgrade is failing with the following error `An error (0) occurred while trying to install the MSXML Parser 3.0`**.**

Solution This error occurs when the component is extracted and installed over a network.

HP recommends that you install the component without extracting over the network. For example, launch `cp00xxx.exe` on each system.

HP SIM problems

After installing HP SIM 4.1, the VCRM is not accessible. There is no link available by way of SMH, and when I attempt to connect directly by entering `https://VCRMSystem:2381` in the browser, a 404 error code appears.

Solution: The access rights to the `\compaq\wbem` directory were not set up correctly during the uninstall of HP SIM 4.0/4.01 followed by the installation of HP SIM 4.1. As a result, the VCRM does not successfully register with the SMH.

HP recommends the following actions:

- Install HP SIM 4.2.

  Or

- Download and install HP Web-enabled System Management Software Security Patch for Windows 5.94, which is available as SoftPaq SP25771 from **http://h18007.www1.hp.com/support/files/server/us/download/22728.html**.
  1. Log into the system with administrative privileges.
  2. Stop the following services:
     - All Insight Management Agents
     - Array Configuration Utility
     - HP Version Control Repository Manager
     - HP Version Control Agent
     - HP Insight Management Agent
     - Surveyor
     - HP Insight Control performance management
     - HP Insight Control performance management Tools
  3. Rename the directory `\compaq\wbem` to `\compaq\wbem_old`.
  4. Create a new directory `\compaq\wbem`.

5. Copy the contents of the directory `\compaq\wbem_old` to `\compaq\wbem`.
6. Restart the following services:
   - All Insight Management Agents
   - Array Configuration Utility
   - HP Version Control Repository Manager
   - HP Version Control Agent
   - HP Insight Management Agent
   - Surveyor
   - HP Insight Control performance management
   - HP Insight Control performance management Tools

   The VCRM is accessible from SMH and from `https://VCRMSystem:2381`.

Log problems

Why are there multiple log entries in the VCRM log about components being modified or added after a ProLiant and Integrity Support Pack is uploaded?

Solution: The VCRM logs the specific additions that it receives from the upload control, but it also monitors the repository directory as a separate activity. The operating system provides separate notifications about changes in the repository directory, and these can result in multiple log entries, which can be ignored.

Solution: The default Internet Explorer security settings prevent you from downloading the file.

To resolve this issue, HP recommends that you add the SMH URL to Internet Explorer's Trusted Sites.

To add the SMH to Internet Explorer's Trusted Sites:

1. From Internet Explorer, click **Tools→Internet Options**.
2. Click the **Security** tab. The Security tab appears.
3. Select the **Trusted sites** icon.
4. Click **Sites...**. The Trusted sites dialog box appears.
5. In the **Add this Web site to the zone** field, enter `https://hostname:2381/` and click **Add**.
6. Click **OK** to save your changes and close the Trusted sites dialog box.
7. Click **OK** to close the Internet Options dialog box.

Pre-configuration problems

I am unable to add a certificate to the SMH component when preconfiguring it in the VCRM or HP SIM. I receive the error Unable to Read the certificate file when I select a certificate using Browse.

Solution: By default, Internet Explorer security settings block some actions.

HP recommends the following actions:

1. Be sure the selected certificate file has at least *read* access.
2. From the system you are browsing from, add the VCRM system's URL to Internet Explorer's **Trusted Sites** list.

   To add the VCRM URL to Internet Explorer's Trusted Sites:

   1. From Internet Explorer, click **Tools→Internet Options**.
   2. Click the **Security** tab. The **Security** tab appears.
   3. Select the **Trusted sites** icon.
   4. Click **Sites...**. The Trusted sites dialog box appears.
   5. Click **Default** and be sure the **Security level for this zone** is set to **Low**.
   6. In the **Add this Web site to the zone** field, enter `https://VCRMSystem:2381` and click **Add**.
   7. Click **Close** to save your changes and close the Trusted sites dialog box.
   8. Click **OK** to close the **Internet Options** dialog box.

3. Start preconfiguring the SMH component.
4. When you select the certificate file using **Browse**, an Internet Explorer warning appears regarding ActiveX Controls. Click **Yes** to load the certificate file.

ProLiant Support Pack problems

The ProLiant Support Pack installation terminates due to low disk space.

Solution:

After setting the repository directory with the encryption attribute and restarting the VCRM service, none of the ProLiant Support Packs are displayed in the VCRM Catalog page. In addition, the Log page indicates that a component has been deleted from the repository. Why aren't the ProLiant Support Packs displaying?

Solution: This problem is usually caused by a change in security permissions or encryption of the repository directory. Always check that the repository directory permissions are set so that the VCRM Windows Service has full access to the repository directory. Additionally, the VCRM does not support the encryption attribute. If you encrypt the repository directory, the ProLiant Support Packs are not deleted, but they will not display on the VCRM **Catalog** page.

HP recommends the following actions:

1. Stop the VCRM service.
2. Double-click **My Computer**. Windows Explorer appears.
3. Right-click the repository directory and select **Properties**.
4. Click the **General** tab.
5. Click **Advanced**.
6. Deselect **Encrypt contents to secure data**.
7. Click **OK**.
8. Click **OK** again. Your settings are saved.
9. Start the VCRM service. The ProLiant Support Packs are displayed on the **Catalog** page.

Can I use the software or firmware criteria in HP SIM to tell which version of a Support Pack is installed?

Solution: Generally, ProLiant Support Packs cannot be used for comparison when developing a software update search. However, if you must compare ProLiant Support Packs, use the following guidelines when selecting ProLiant Support Packs to compare:

- The only comparison you can use with a ProLiant Support Pack is **Equal To**.
- HP SIM cannot determine whether a ProLiant Support Pack was installed on a system, only whether all of the components in a ProLiant Support Pack are installed on a system. A targeted system is returned by a search that compares ProLiant Support Packs only if every component in the ProLiant Support Pack is present on the targeted system.

It is unlikely that all of the components in a ProLiant Support Pack will be installed on any system. This causes most searches that include Support Pack software criteria to return no systems.

After downloading the 6.40 ProLiant Support Pack into my existing VCRM 1.0 directory, the catalog does not display the ProLiant and Integrity Support Pack Why doesn't this ProLiant Support Pack display?

Solution: The 6.40 ProLiant Support Pack does not work with VCRM 1.0. HP recommends that you install VCRM 2.0 or later.

Note: The installation of the VCRM 2.0 does not require a reboot.

I have the VCRM Auto Update feature configured to automatically download ProLiant and Integrity Support Packs and the VCRM states the updates have completed successfully. However, no files have been downloaded.

Solution: A log entry appears in the VCRM Log indicating *Automatic update downloaded 0 files. No VCAs have provided operating systems information to use as a download selection criteria.*

HP recommends the following actions:

- If the VCA is not installed on any system within the network, you must install the VCA on a system and configure the VCA to use the VCRM.
- If the VCA is installed on a system within the network, you must configure the VCA to use the VCRM.

Miscellaneous problems

Should the VCRM be installed before running Discovery in HP SIM, and if so, why?

Solution: While it is not essential, it is a good idea to install a VCRM before running Discovery. Be sure that this repository trusts HP SIM. Refer to *Setting up Trust Relationships* in the *HP SIM User Guide* for more information on trust relationships. It is a good idea to install a VCRM is so that the **Software Version Status Polling** task can properly sort the versions of software retrieved from systems. If you do not set up a repository before running Discovery, then the versions are sorted when a software criteria search is set up for the first time.

Why is it that when I search for systems with Foundation Agents for Windows in HP SIM, I get only the Windows 2000 systems back and not Windows NT?

Solution: Even though you choose a component that is supported for both Windows NT and Windows 2000, the search only returns the systems that match the operating system tree from which you chose the component when you created the search. In this example, if you chose the Foundation Agents for Windows from the Windows 2000 branch of the criteria tree, then only Windows 2000 systems are returned. If you want systems from both Windows 2000 and Windows NT, choose the Foundation Agents for Windows from the Windows 2000 and Windows NT branch.

What capabilities do I get from the VCA alone?

Solution: The VCA provides a list of the *HP Web-enabled System Management Software* and firmware installed on the local server. For the VCA to provide version control and software distribution functionality, it must be configured to refer to a VCRM.

Does HP have any intention of disabling the Install icon on those components that do not install silently or without user intervention in future releases?

Solution: Yes.

The VCA or VCRM display as links under the Integrated Agents list on the SMH, but the application is missing from the version control category on the SMH's Home tab, or the category does not display at all. When I click the link under the Integrated Agents, a page displays indicating `The application is not available`**.**

Solution: On Windows, the associated Win32 service is stopped. You must restart the HP Version Control Agent or HP Version Control Repository Manager's Win32 service on the server. If the service is not set for automatic startup, then configure the service to start automatically. If the service stopped unexpectedly, check the **Windows NT Event Log** as well as the application's log for additional information.

On Linux, the associated VCA daemon process is stopped, and the VCA daemon can be restarted by the **root** user running `/etc/init.d/hpvca restart`.

Service and support

Support for VCRM is provided as an adjunct to support of the underlying hardware. The purpose of the HP Support page is to provide you with a variety of product-, service-, and support-related resources. In particular, you can use this page to:

- Access **http://www.hp.com/servers/manage**. This website is devoted to Systems Management Products. You will find a wealth of product- and service-related information on this portal.

- Access links to HP's support home page and World-Wide-website locator for phone numbers, online tools, and information.

- Contact the HP Support Forum to get answers to your questions about HP products. The HP Support Forum can be found at **http://forums.itrc.hp.com/**.

Keeping good records of your configuration can significantly speed up the troubleshooting process. Consult the following list when you obtain assistance from your HP service provider:

- Management PC make, model, and serial number information

- Operating system information, including version number, a list of all service packs that have been applied, the Compaq SSD version, and Insight Agents' names and versions that have been applied

- Hardware configuration information:

- Survey Utility output or Inspect printout
- System Configuration Utility printout
- Description of any non-HP or non-Compaq equipment that is not shown on the Inspect or System Configuration printout.

Windows events

The following table shows a listing of Windows 2000/Window NT events that are applicable to the HP Version Control Repository Manager.

Event ID	Facility	Severity	Text
4098	Application	Informational	VCRM failed to start.

Related topics

- Catalog
- Home
- Log
- Navigating the software

5 Legal notices

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Revision history

Revision History
Revision Edition 15   November 2009
MPN: 367261-008. The fifteenth edition contains information added on native x64 support for version control, performance improvements using multithreaded scalability, and information on the new VCRM command line interface.
Revision Edition 14   January 2009
MPN: 367261-007. The fourteenth edition added support for IPv6 L! and L2, SAS and SATA disk drive firmware smart components, and Linux SCEXE components.
Revision Edition 13   March 2008
MPN: 367261-006. The thirteenth edition added new operating system for the HP VCA v2.1.10 release, and the online help was produced in two languages
Revision Edition 12   April 2007
MPN: 367261-005. The twelfth edition drops issues in Troubleshooting which are no longer applicable to the HP VCRM v2.1.8 release, and the online help was produced in two languages.
Revision Edition 11   January 2007
MPN: 367261-004. The eleventh edition added new operating system and browser support for the HP VCRM v2.1.7 release, and the online help was produced in two languages.

To ensure that you receive newer versions when they become available, subscribe to the appropriate product support service. See your HP sales representative for details.

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Zlib Compression Library	Zlib Compression Library - http://www.zlib.org
Namazu 2.0.16	Namazu Project http://www.namazu.org

Related topics

- gnu software licensing
- OpenSSL Software Licensing
- Zlib Compression Library

gnu software licensing

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Related topics

Zlib Compression Library

zlib/libpng license

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zlib.h -- interface of the 'zlib' general purpose compression library version 1.1.3, July 9th, 1998

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Related topics

- Licensing
- gnu software licensing
- Zlib Compression Library

Glossary

available software A listing of the software components available in the repository that the VCA has been configured to point to. When browsing directly into a VCA, these additional components can be selected for installation.

component A component is a single, self-describing, installable (interactive or silent) binary file containing a single piece of software, such as firmware image, driver, agent, or utility, that is supported by the management and update tools.

Custom Software Baseline A set of HP software components that have been bundled together as a baseline by the customer. Modifying the contents of an existing Support Pack provides customers with the flexibility to define their own baselines for their environment.

graphical user interface (GUI) A program interface that takes advantage of the computer's graphics capabilities to make the program easier to use. HP SIM's GUI is Web-enabled and displays in a web browser.

HP Insight Management Agent A program that regularly gathers information or performs some other service without the user's immediate presence.

HP ProLiant and Integrity Support Pack A ProLiant and Integrity Support Pack, or Custom Software Baseline is a set of HP software components that have been bundled together by HP, and verified to work with a particular operating system. A ProLiant and Integrity Support Pack contains driver components, agent components, and application and utility components. All of these are verified to install together.

HP Systems Insight Manager System management software that is capable of managing a wide variety of systems, including HP systems, clusters, desktops, workstations, and portables.

HP SIM combines the strengths of HP Insight Manager 7, HP Toptools, and HP Servicecontrol Manager to deliver a single tool for managing HP ProLiant, Integrity, and HP 9000 systems running Windows, Linux, and HP-UX. The core HP SIM software delivers the essential capabilities required to manage all HP server platforms. HP SIM can also be extended to deliver unparalleled breadth of system management with plug-ins for HP storage, power, client, and printer products. Plug-ins for rapid deployment, performance management, and workload management enable systems administrators to pick the value added software required to deliver complete lifecycle management of their hardware assets.

HP Version Control Agent An Insight Management Agent that is installed on a server to enable the customer to see the HP software that is installed on that server. The VCA can be configured to point to a repository being managed by the VCRM, enabling easy version comparison and software deployment from the repository to the server that the VCA is installed upon.

HP Version Control Repository Manager An Insight Management Agent that enables a customer to manage software from HP that is stored in a directory/repository known as the Version Control Repository.

HP Web-enabled System Management Software Software that manages HP Web-enabled products.

installed version A particular HP software component that is installed on the server on which the VCA is installed.

latest version The latest version of a particular HP software component that is contained in the repository.

overall software status This section indicates whether the software on the server on which the VCA is installed has any updates available within the repository in which it has been configured to monitor.

Red Hat Package Manager (RPM) The Red Hat Package Manager is a powerful package manager that can be used to build, install, query, verify, update, and uninstall individual software packages. A package consists of an archive of files and package information, including name, version, and description.

Reference Support Pack A baseline bundle of HP software components that the VCA can be configured to point to in the repository. This setting enables users to indicate that they want to keep all of their software up to a certain Support Pack level.

Replicate Agent Settings	A tool that can be used to copy Web-based agent settings to a group of systems.
repository	A directory containing ProLiant and Integrity Support Packs and Smart Components.
Secure Task Execution (STE)	Secure execution of a task from a managed system. This feature of HP SIM ensures that the user requesting the task has the appropriate rights to perform the task, and encrypts the request to protect data from snooping.
Simple Network Management Protocol (SNMP)	One of the management protocols supported by HP SIM. Traditional management protocol used extensively by networking systems and most servers. MIB-2 is the standard information available consistently across all vendors.
single login	Permission granted to an authenticated user browsing to HP SIM to browse to any of the managed systems from within HP SIM without re-authenticating to the managed system. HP SIM is the initial point of authentication and browsing to another managed system must be from within HP SIM.
software inventory	A listing of the HP software installed on the system where the VCA is installed.
support pack version	A field that displays the version of a particular HP software component that is contained in the Reference Support Pack that the VCA has been configured to use as a baseline. There might be a later version than this available in the repository, but this is the latest version of this particular component in the Reference Support Pack.
System Management Homepage	An integrated piece of software used by the HP suite of HP Web-enabled System Management Software to communicate over HTTP and HTTPS. It provides a uniform set of functionality and security to HP Web-enabled System Management Software.
VCA log	A listing of all the software maintenance tasks completed by the VCA and reports resulting from those tasks.
version control	Referred to as the VCRM installed on a Windows system for Windows and Linux ProLiant systems, and Software Distributor on HP-UX operating systems. Provides an overview of the software status for all managed ProLiant or Integrity systems and can update system software and firmware on those systems programmatically using predetermined criteria. Version control identifies systems that are running out-of-date system software, indicates if an upgrade is available, and provides reasons for upgrading. For HP-UX systems, Software Distributor can be launched from an HP SIM CMS against one or more installed HP-UX systems.

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